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**MORRIS, MANNING & MARTIN, LLP**  
ATTORNEYS AT LAWFACSIMILE  
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TO:	United States Patent & Trademark Office		
DATE & TIME:	December 14, 2005		
TOTAL PAGES:	Thirteen (13)		
FAX NUMBER:	571-273-8300		
FROM:	Morris, Manning & Martin, LLP	CHARGE TO:	14506-48688
NAME:	Tim Tingkang Xia, Esq.	CLIENT/MATTER:	
PHONE:	(404) 233-7000	CONFIRMATION TIME:	
		HR	MIN SEC

**COMMENTS:**

RE: Serial No. 10/525,648 ✓  
Filing Date: 27 August 2003  
Attachments: Transmittal Sheet containing Certificate of Mailing (1 page)  
Response to Notice to File Missing Requirements Under 35 U.S.C. 371 (2 pages)  
Copy of the Notice to File Missing Requirements Under 35 U.S.C. 371 (2 pages)  
Declaration/Power of Attorney (4 pages)  
Credit Card Authorization Form-2038 in the Amount of \$65.00 (1 page)  
Authorization to charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Authorization to Credit any overpayments (1 page)

IF YOU HAVE ANY DIFFICULTY WITH THIS TRANSMISSION, PLEASE CALL (404) 233-7000

S/N: 10/525,648


PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: John Wikswo et al. Docket: 14506-48688  
 Serial No.: 10/525,648 Confirmation No.: 8469  
 Intl. Filing Date: 27 August 2003 Group Art Unit: Unassigned  
 Due Date: 17 January 2006 Examiner: Unassigned  
 Title: BIOREACTORS WITH SUBSTANCE INJECTION CAPACITY

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being transmitted by facsimile to number 571-273-8300 addressed to Mail Stop: Missing Parts, Commissioner for Patents, United States Patent and Trademark Office on December 14, 2005.

By:   
 Tim Tingkung Xia

TRANSMITTAL

Mail Stop Missing Parts  
 Commissioner of Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

\*Customer No. 24728\*

December 14, 2005

Sir:


We are transmitting herewith the attached:

- ☒ Transmittal Sheet containing Certificate of Mailing (1 page)
  - ☒ Response to Notice to File Missing Requirements Under 35 U.S.C. 371 (2 pages)
  - ☒ Copy of the Notice to File Missing Requirements Under 35 U.S.C. 371 (2 pages)
  - ☒ Declaration/Power of Attorney (4 pages)
  - ☒ Credit Card Authorization Form-2038 in the Amount of \$65.00 for surcharge (1 page)
  - ☒ Authorization to charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17
- Authorization to Credit any overpayments

CLAIMS AS FILED

Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
Basic Filing Fee				
Total Claims				
-	20	= 40	x 25.00	=
Independent Claims				
-	3	= 10	x 100.00	=
REQUEST FOR PETITION FOR ONE-MONTH EXTENSION OF TIME				
SURCHARGE -LATE FILING FEE OF DECLARATION (SMALL ENTITY)				\$65.00
TOTAL FEE ENCLOSED				\$65.00

MORRIS, MANNING & MARTIN, LLP  
 1600 Atlanta Financial Center  
 3343 Peachtree Road NE  
 Atlanta, Georgia 30326  
 404.495.3678  
 Customer No. 24728

By:   
 Name: Tim Tingkung Xia  
 Reg. No.: 45,242  
 TX

12/16/2005 LLANDGRA 00000048 10525648

01 FC:2617

65.00 0P

(PTO TRANSMITTAL - GENERAL)

S/N: 10/525,648

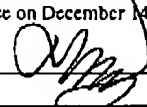
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	John Wikswo et al.	Docket:	14506-48688
Serial No.:	10/525,648	Confirmation No.:	8469
Intl. Filing Date:	27 August 2003	Group Art Unit:	Unassigned
Due Date:	17 January 2006	Examiner:	Unassigned
Title:	BIOREACTORS WITH SUBSTANCE INJECTION CAPACITY		

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DEC 14 2005CERTIFICATE UNDER 37 CFR 1.8:

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By:   
Tim Tingkang Xia

RESPONSE TO NOTICE TO FILE MISSING REQUIREMENTS  
UNDER 35 U.S.C. 371 IN THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)

Mail Stop Missing Parts  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

\*Customer No. 24728\*

December 14, 2005

Sir:

In response to the Notice to File Missing Requirements Under 35 U.S.C. 371 mailed November

17, 2005, Applicant encloses herewith:

1. Response to Notice to File Missing Requirements Under 35 U.S.C. 371;
2. Copy of the Notice to File Missing requirement Under 35 U.S.C. 371;
3. Fully-Executed Declaration and Power of Attorney;
4. Credit Card Authorization Form-2038 in the amount of \$65.00 for surcharge (Small Entity); and
5. Authorization to charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Authorization to Credit any overpayments.

Please send any future correspondence to Mr. Tim Tingkang Xia at the address associated with  
Customer Number 24728.

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S/N: 10/525,648

PATENT

Applicant believes that the submission of these papers complete the filing of all necessary papers and respectfully requests that the referenced application be passed along for examination.

Respectfully submitted,

MORRIS, MANNING & MARTIN, LLP

December 14, 2005



Tim Tingkang Xia  
Reg. No. 45,242

MORRIS, MANNING & MARTIN, L.L.P.  
1600 Atlanta Financial Center  
3343 Peachtree Road, N.E.  
Atlanta, Georgia 30326  
404-233-7000 Main  
404-495-3678 Direct  
Customer No. 24728

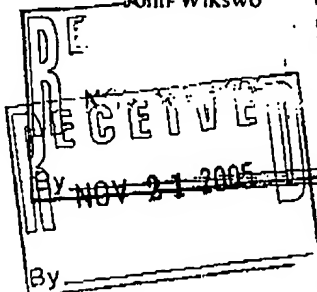


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22312-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/525,648	John Wikswa	14506-48688

24728  
MORRIS MANNING & MARTIN LLP  
1600 ATLANTA FINANCIAL CENTER  
3343 PEACHTREE ROAD, NE  
ATLANTA, GA 30326-1044



INTERNATIONAL APPLICATION NO.	
PCT/US03/26800	
I.A. FILING DATE	PRIORITY DATE
08/27/2003	08/27/2002

CONFIRMATION NO. 8469

371 FORMALITIES LETTER

\*OC000000017443810\*

Date Mailed: 11/17/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 02/24/2005
- Copy of the International Search Report filed on 02/24/2005
- Copy of IPE Report filed on 02/24/2005
- Oath or Declaration filed on 02/24/2005
- U.S. Basic National Fees filed on 02/24/2005
- Priority Documents filed on 02/24/2005
- Specification filed on 02/24/2005
- Claims filed on 02/24/2005
- Abstracts filed on 02/24/2005
- Drawings filed on 02/24/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

11/21/05  
RMM

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## SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

- \$65 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

TAMALA D HOLLAND

Telephone: (703) 308-9140 EXT 209

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/525,648	PCT/US03/26800	14506-48688

FORM PCT/DO/EO/905 (371 Formalities Notice)

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S/N: 10/525,648

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE


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By:   
Tim Tingkang XiaAUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 14, 2005

CUSTOMER NO. 24728

Dear Sir:


Please charge any additional fees or credit overpayments to Deposit Account

No. 50-3537.

Respectfully submitted,

MORRIS, MANNING &amp; MARTIN, LLP

December 14, 2005

  
Tim Tingkang Xia, Esq.  
Reg. No. 45,242  
Attorney for Applicant on the Record  
TTX

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